

# Work Order ID 52198

September 17, 2009 1:25:37 PM



Page 1

Item ID: D2011-103

Accept



Setup Start



Revision ID: G

Stop



Item Name: 8" Mirror

Start Date: 9/17/09 Start Qty: 50.00



Cust Item ID:

Required Date: 9/18/09 Req'd Qty: 50.00



Customer:

Reference:

Approvals: Process Plan:

CL

Date: 09/09/17 Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2011	Rev G								
100		0.00							
	PURCHASING								
Purchasing	Memo	0.00							
Purchasing	Issue P/O: 10428								
	Velvac Mirror P/N: 708441								
	Possible supplier: UAP/NAPA								
	Material release note required								
110		0.00							
	Receive & Inspect for Damage & Mat'l Certs								
Packaging	Memo	0.00							
Packaging	Ensure Material Release Note is attached								
120		0.00							
	QC6- Inspect dimensions to drawing								
QC	Memo	0.00							
Quality Control									

CL 09/09/18 50

PC 9/9/22 (50)

⇒ 802/01/22

counted  
(50) ✓

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

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Run Start



Approvals:

Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

130

0.00



Small Fab

Small Fab

Memo

0.00

1- Discard Hardware & Install new hardware loosely  
2- Inject 3ml of White Sikaflex adhesive per hole.  
A/R Sikaflex-291  
Batch H112391

*EP 09/09/23 (50)*

140

0.00



QC

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

0.00

*=> S 02/02/23*

*count (x50) f*

150

0.00



Packaging

Packaging

Identify as per dwg & Stock Location: 226

Memo

0.00

*9/9/23 (x50) SP*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Cust Item ID:

Required Date: 9/18/09 Req'd Qty: 50.00



Customer:

Reference:

Run Start



Approvals: Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

09/09/23 JG

ME  
09-09-23

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

September 17, 2009 1:25:36 PM

Work Order ID: 52198

Parent Item: D2011-103RevG

Parent Item Name: 8" Mirror

Comments:



Start Date: 9/17/09

Required Date: 9/18/09

Start Qty: 50.00

Required Qty: 50.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN960JD516		Purchased	No			100	Each	1,097.000	50.0000			
Washer												

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST	1097
100564	2
106167	6
107534	34
107959	43
108246	46
108672	2
109059	49
109752	22
110363	46
110523	57
111279	43
112082	247
112314	500

*9/17/09*

50

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries



# Picklist Print

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Page 2

Work Order ID: 52198

Parent Item: D2011-103RevG

Parent Item Name: 8" Mirror


Comments:

Start Date: 9/17/09

Required Date: 9/18/09

Start Qty: 50.00

Required Qty: 50.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3015-3RevB		Manufactured	No			130	Each	385.0000	50.0000			
												
Locknut												



*Handwritten signature and date: 9/18/09*

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

185

43758

26

44446

49

48238

110

Main Warehouse

ST59

200

51711

200

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Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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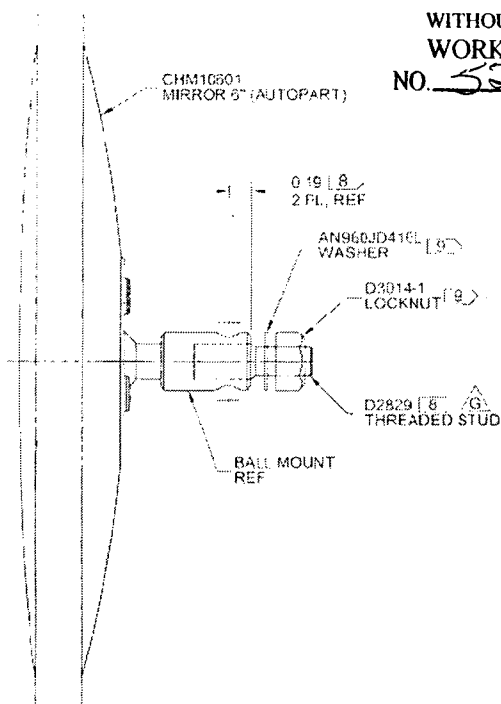
**NOTE:** Date & initial all entries

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY

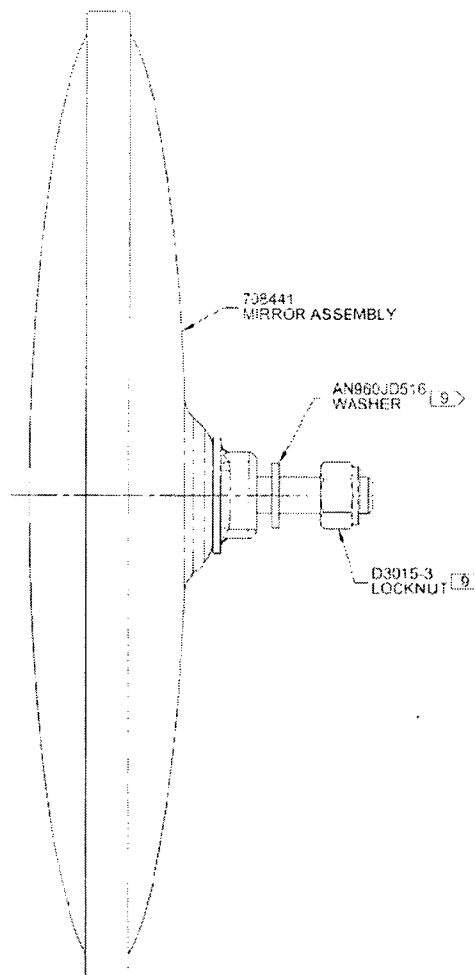
SUBJECT TO AMENDMENT

WITHOUT NOTICE  
WORK ORDER

NO. 52198



**D2011-101 MIRROR ASSEMBLY 6"**



**D2011-103 MIRROR ASSEMBLY 8"**

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSC 0.13 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: D2011-101 = 0.6 lbs APPROX., D2011-103 = 1.0 lbs APPROX.
- 8) D2829 INSTALLATION PROCEDURE:
  - APPLY LOCKTITE 262 TO 3/516 END OF D2829
  - THREAD BY HAND INTO BALL MOUNT UNTIL ENTIRE 3/516 END OF D2829 IS WITHIN BALL MOUNT
  - CRIMP BALL MOUNT ON TWO OPPOSING SIDES, 0.10 FROM END AS ILLUSTRATED USING TOOL DT8317
  - CRIMP TO DEPTH OF 0.040:0.010 USING R0.125
- 9) INSTALL LOOSE

ITEM	QTY -101	QTY -103	P/N	DESCRIPTION
1	X		D2011-101	MIRROR ASSEMBLY 6"
2		X	D2011-103	MIRROR ASSEMBLY 8"
3	1		D2829	THREADED STUD
4	1		D3014-1	LOCKNUT
5		1	D3015-3	LOCKNUT
6	1		CHM10501	MIRROR 6" (AUTOPART)
7		1	738441	MIRROR 8" (VELVAC)
8	1		AN960JD416L	WASHER
9		1	AN960JD516	WASHER

RELEASED  
(X-10-2-11)

G	REDRAWN IN SOLIDWORKS TO CURRENT STANDARD AND TRANSFERRED TO 'B' SIZE FORMAT. MIRROR 6" (AUTOPART) AND CHM10501 WERE MIRROR 6" (GROTE) AND P/N 28043 (2N133-1). ADDED D2829 (2N133-1) AND 2L 06 11. REMOVED DRILLING NOTE, VIEW A-A AND SHAFLEX APPLICATION NOTE. PRODUCT IS DISCONTINUED.	MB	05-10-06
F	ADD HOLES FOR SEALANT ON 101	CP	04-09-10
E	NEW 8" MIRROR	CP	01-05-08
D	NEW 6" MIRROR, ADD MIT. REMOVED STUD	CP	01-03-03
C	REPLACE DOMINION AUTO MIRRORS WITH PHILLIPS, ADDED 8" USS, REDRAWN	RI	09-09-01
B	SHAFLEX 211 ADDED	JH	06-04-09
A	DWG NO. WAS DSP101. ADDED -103	JB	06-06-15
	NEW ISSUE	JB	06-13-31

REV	DESCRIPTION	BY	DATE
DESIGN	JB		
DRAWN	JB		
CHECKED	JB		
MFG APPR	JB		
APPROVED	JB		
DE APPR	JB		
DATE	08.10.06		

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D2011** REV. G  
SHEET 1 OF 1

TITLE **MIRROR ASSEMBLY** SCALE NTS

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Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO10428**

Purchase Order Date 9/18/09

PO Print Date 9/18/09

Page Number 1 of 1

Order From :

VU-ROY001

VISA

PAYMENT CENTRE, PO BOX 4016, STAT. A  
TORONTO,

**FAKED**  
9/18/09

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Requisition Nbr	
Vendor Fax	Tax Resale Nbr	10127-2607
Vendor Account Nbr	Terms	Net 30
	Currency	USD
	FOB	

Ship To : DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	708441	MIRROR 8"	9/21/09 Yes	50.00 Each	FedEx Overnight	\$15.7200	\$786.0

Special Inst: AS PER DWG D2011 REV. G  
B52198  
VELVAC P/N: 708441

PO Total: \$786.0

CERTIFICATE OF CONFORMITY  
REQ'D UPON DELIVERY

PO Instructions: TRUCK PART CITY (AATN: BRETT)  
PLEASE SHIP FED EX OVERNIGHT ACCT: 15179324-0  
VISA ACCT: 4514 0310 0909 0347 EXP DATE: 11/09 CID: 050

Change Nbr: 1

Change Date: 9/18/09

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable



# MOTOR AND EQUIPMENT SALES, INC.

1813 W. Beltline Highway  
Madison, WI 53713  
Phone: 608-271-5544  
Fax: 608-271-6308 Toll Free: 800-236-3941

INVOICE DATE 09/21/2009 09:04AM	
INVOICE NO. 1292640030	PAGE 1
CUSTOMER NO. 00100	BRANCH * 1*

SOLD TO

MISC COD ACCOUNT

WI

SHIP TO

DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKESBURY ON K6A1K7

10428	928434	FRI	05 000/05 000
-------	--------	-----	---------------

\*\*\* CASH SALE \*\*\*  
50 VEL 708441 MIRROR 25.66 BIL 15.72EA\* 786.00  
DIRECT SHIPPED

PAID WITH CREDIT CARD  
09/09/09



neapco™

EGGIMANN MOTOR & EQUIP  
1813 W BELTLINE HWY  
MADISON, WI 53713  
(608)271-5544  
WWW.EGGIMANN.COM  
Phone/Web

ID: 73701943 Ref #: 0011  
09/18/05 12:13:15  
Batch #: 256 AVS: NO MATCH N

VISA

\*\*\*\*\*0347M

CVV2 Code: MATCH N

Appr Code: 094437

Total:

Invoice#: 000011

\$ 786.00



*Thank you for the order*  
*Direct ArvinMeritor*



Customer Copy  
THANK YOU!

\*\*\* CASH SALE \*\*\*

## TERMS AND CONDITIONS OF SALE

Parts and core returns must be accompanied by original invoice. All cores must be returned within 30 days to receive core credit. Parts returned after 30 days are subject to a 15% restocking fee. Special order parts subject to manufacturer's return policy. Special order parts not returnable after 30 days. No refunds or exchanges on electrical parts.

Any warranties on the items sold hereby are those made by the manufacturer. The seller hereby expressly disclaims all warranties, either express or implied, including any implied warranty of merchantability or fitness for a particular purpose. The seller does not assume or authorize any person to assume for it any liability in connection with the sale of such items.

Past due accounts are subject to finance charge of 1-1/2% per month, or 18% per annum.

FRIGHT	SUBTOTAL	TAX STATUS/STATE	SALLES TAX	PLEASE PAY
	786.00	EXEMPT WI	0.00	786.00
CUSTOMER SIGNATURE		REMIT PAYMENT TO: P.O. BOX 259432 Madison, WI 53725-9432		
		TERMS *CASH SALE*		